

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-028

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period October 4 – 10, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period October 4 – 10, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	1
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No injuries occurred, one incident involving a D8 dozer making contact with a stationary haul truck on the dump pad in Pit 4.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, October 9, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- U.S. Army Corps of Engineers (USACE)
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- The South Construction Support Zone Storm Water Management Plan was approved by EPA on October 7, 2019.

Regulatory Site Visit(s):

- Gabe Sedberry, Jacobs representing EPA, was on Site October 4 and 7.
- Mark Fillius, USACE, was on Site on October 8 to 10.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of October 4 – 10, 2019, the following activities were conducted:

- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed in the Pit 4 Waste Containment Area (WCA).
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
October 4 – 10, 2019	2,933	82,124
2019 Cumulative	77,799	2,178,372

1 - Truck load assumed to be 28 yd³

- Felled trees along the alignment of the overhead powerline for the South Pond Pump Station.
- Tetra Tech/AEG continued installation of the High Density Polyethylene (HDPE) Secondary Containment Liner and began installing geonet in the South Pond. Preparation of the South Pond subgrade and excavation of the anchor trench were performed concurrently with liner installation to minimize the amount of rework required if a significant rain event were to occur. Pea Gravel was placed in the east Leak Detection Sump.
- Pit 4 tension crack was measured on October 7. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.
- Herrera arrived on Site and began planting shrubs and trees in the West Access Road area.

Stormwater Pollution Prevention Plan (SWPPP)

- Staked South Construction Support Zone swells in preparation for excavation of the stormwater controls.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- SPCC containments were checked for water accumulation from precipitation events this week and drained of any accumulated water after verification that no oil sheen was present.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Plate compactor attachment for Caterpillar 315 excavator on October 10.

The following equipment was demobilized from the Site during this reporting period.

- Caterpillar 745 haul truck on October 4.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- Pit 4 vertical dewatering pumps as backup in case the Horizontal Dewatering System pumps fail.
- Concrete ecology blocks
- Filter sand for South Pond ballast tubes
- Reinforced Polypropylene (RPP) geomembrane for South Construction Support Zone SWPPP.

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during this reporting period.

Table 2 - TSP Dust Monitoring Locations during reporting period October 4 – 10, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
02272-12.00	South Pond Geomembrane Certs (12 Rolls)	10/10/2019	TBD
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			

Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
None			
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title		CQC-CQA Issue Date
2019 SP-08	Subgrade Acceptance for South Pond (Panels 108-115)		10/4/2019
2019 SP-09	Subgrade Acceptance for South Pond (Panels 116-127)		10/9/2019
2019 SP-10	Subgrade Acceptance for South Pond (Panels 128-153)		10/10/2019
Other Items			
Item	Title		Comments
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

None during this time-period.

Initial Phase Inspections

None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

On October 5, CQA observed that the AEG/Tetra Tech liner technician was using a test speed of 4 inches/minute on the tensiometer during trial weld strength tests (peel and shear) instead of the test speed of 2 inches/minute as required in Specification 02272, Section 3.3 A.4.b and brought it to the attention of the Stantec Project Engineer. Discussions ensued between all parties (Stantec, WME, Newmont, and EPA) for solutions. The final resolution was to retest field seam Destruct Samples (DS-1 through DS-21) using the specified machine speed of 2 inches/minute. Re-testing is currently ongoing. All trial weld samples and field seam Destruct Samples are now being tested at the specified test speed of 2 inches/minute.

Completion Inspections

None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:
<u>David Lee</u> <u>Project Construction Director</u>
Attachments <ul style="list-style-type: none">• Attachment A – Midnite Mine 3 Week Lookahead Schedule
Photos of pertinent items are provided below.



Figure 1 – Secondary Containment Liner installation in South Pond looking northwest on October 4



Figure 2 –Pit 4 overview looking southwest.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

